Reviewer’s report

Title: Postoperative hyphema is a surgical risk factor in trabeculectomy for neovascular glaucoma: a retrospective study

Version: 1
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Reviewer: Paolo Fogagnolo

Reviewer’s report:

In this well written paper, the Authors investigated the causes affecting success of trabeculectomy in NVG by means of a retrospective design. Unfortunately, this is not the proper analysis to answer the question, as allocation the therapeutic options was not randomized. The message of the paper may therefore be, at best, not precise; sadly, in the worst option, it may even be misleading.

Major Essential Revisions
1) How was the choice of performing IVT chosen?
In the absence of a randomized study, the info on the rate of success of IVT must be considered with caution, as authors may have allocated to IVT the worst cases.
The sentence “Preoperative IVB did not significantly influence either postoperative hyphema or the result of trabeculectomy” should be mitigated accordingly.
2) Sample size is missing. Multivariate results may be influenced by inadequate sampling (see history of vitrectomy).
3) Discussion:
In view of their results, what is the clinical management that authors would recommend in NVG patients in order to reduce the risk of hyphema?

Minor Essential Revisions
1) Abstract:
“Trabeculectomy with mitomycin C (MMC) is a good treatment modality in the management of eyes with NVG.” This sentence is too strong considering the high failure rate of the procedure in the literature and in the study.
2) Results: the first 3 lines replicate what already written in Methods.
3) “The mean follow-up period was 16.8 ± 8.1 months with a range from 6 to 34 months. All eyes were followed up for more than 6 months” These two sentences are conflicting.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal
Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests